



## GE Medical Systems Invention Disclosure Sheet

3000 North Grandview Blvd., W-710  
P. O. Box 414, Waukesha WI 53188

eCommerce  
eCommerce

DEPARTMENT  
SECTION



Docket No.: **15-EC-550**

To: SUSAN DONAHUE, W-710  
Patent Paralegal

**TITLE:** Internet-based Customer Dashboard

**CONTEXT:** The invention described in this document is related to GEMS eCommerce and Service Delivery initiatives.

**PROBLEM:** Hospital Department Administrators manage a diverse set of capital assets and people. For each asset or person, the administrator often has many unique points of contact to get status, take remedial action, or inquire about activities that relate to the operation of his/her department. The invention described here is a business process enabled by the internet that greatly improves the efficiency of this data gathering activity while also providing the administrator with current data in near-real-time.

**INVENTION:** The primary component of the invention is a web-based status page called the "Dashboard." A prototype of this dashboard is shown in Figure 1. This Dashboard is dynamically created. Refreshed content is available each time the user accesses the web site. The dashboard is also customized for each user so that the information presented pertains to their particular areas of interest or responsibility. The site allows a "site administrator" at the hospital to establish access levels for multiple users within the hospital organization. The dashboard has the flexibility to allow the user to enter his/her own reminders.

The Dashboard in this implementation includes three key areas (though others could be considered for future implementation):

1. Alerts - Items that require immediate attention
2. Reminders - Items that require the user's attention but are not urgent
3. News - Other items of interest.

Each of these areas are populated with data from a variety of sources, both automatic and manual.

(1 <sup>st</sup> Inventor)	<i>Paul Muller</i>	
(2 <sup>nd</sup> Inventor)	<i>Robert Singh Kathuria</i>	
(3 <sup>rd</sup> Inventor)		
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**Welcome, Bob Customer**

**Alerts**

- CT1: Power Failure 12:22 AM - [REDACTED]
- Veeo A: Calibration due in 2 days - [REDACTED]
- Port 5: Mobile item out of range
- CT2: CT3000 Tube approaching performance limit - [REDACTED]
- PM due for AMX 647398

**Reminders**

- Schedule PM for for DASH Monitor #64749
- Schedule CT2 Down for Tube Replacement Order Tube
- Magnet Cryogen Contract due for renewal [REDACTED]
- Review productivity report - [REDACTED]
- TIP-TV Today at 1:30: Rad. Dept Process Optimization
- Reorder ultrasound paper: 2-day inventory remaining
- Review financing options for mammographic systems
- 25% off imaging accessories through through December
- Ultrasound order received [REDACTED] - Schedule Training
- Thanks for your order. Consider adding AMX Prodigy for Abd Imaging
- Consider Medical Upgrade Available for CT2
- Check availability of site-ported CT equipment

**News**

- Molecular BioSystems [REDACTED] Palatin Technologies & Molecular Biosystems Agree to Merge [Read the Story](#)
- RSNA [REDACTED] Only Residents to Participate in Research Program at RSNA99 [Read the Story](#)
- GE [REDACTED] GE Medical Systems Introduces Advanced "Smart" Ultrasound System [Read the Story](#)
- GE [REDACTED] GE Medical Systems Introduces Advanced Patient Imaging Archive System to Help Hospitals Go Digital [Read the Story](#)
- GE [REDACTED] GE Healthcare Financial Services Announces Innovative Online Offerings to Boost Hospital and Clinic Productivity [Read the Story](#)
- GE [REDACTED] GE Medical Systems' Digital Chest X-ray System Increases Physician Productivity, Improves Speed of Exams [Read the Story](#)
- GE [REDACTED] GE Medical Systems Launches Electronic Comments Initiative, First in a Series of Offerings Now Available Online [Read the Story](#)

Figure 1

(1 <sup>st</sup> Inventor)	[Signature]	[REDACTED]
(2 <sup>nd</sup> Inventor)	Mohit Singh Kathuria	[REDACTED]
(3 <sup>rd</sup> Inventor)		
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Sources of the data may include items such as:

**Automatically Generated**

- Systems like GE's InSite® remote monitoring and diagnostic systems
- Network monitoring systems
- Dynamic asset tracking systems
- Dispatching and incident tracking systems
- Billing, invoicing and contract management systems
- News feeds, internet search engines
- and so on

**Manually Generated**

- Marketing Messages
- Messages from local sales representatives
- Customer-entered information
- and so on

The scope of this invention is the consolidation of the information for display, not necessarily the methods of data gathering and the data aggregation engine, which may be covered by other disclosures. Figure 2 illustrates the data consolidation process.

(1 <sup>st</sup> inventor) <i>Robert Singh Kathuria</i>		
(2 <sup>nd</sup> inventor)		
(3 <sup>rd</sup> inventor)		
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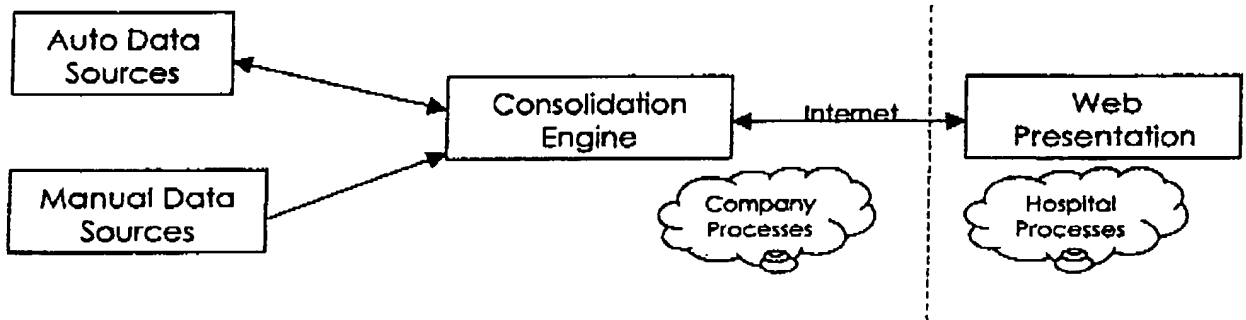


Figure 2

The "consolidation" engine takes all of the data from the various sources and formats them into the Dashboard customer presentation (shown in Figure 1) that is hosted on web site. The user opens their web browser and points to this page to view it.

Note that the data communications can be two-way as the user interacts with the Dashboard. Customer interaction may trigger updates to the data, or kick-off company processes in response.

 (1 <sup>st</sup> Inventor) <b>Hobit Singh Kathuria</b>			
(2 <sup>nd</sup> Inventor)			
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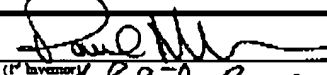

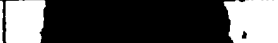

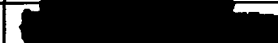

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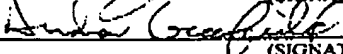
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## INITIAL SUMMARY OF CLAIMS:

- An internet-enabled department dashboard for improving hospital administrator efficiency
- Use of internet technologies to display this dashboard
- Integration with automatic and manual data acquisition systems
- Near real-time updates of the data to provide the user with up-to-date status
- Integration of technical, marketing, operational and financial data
- Use of remote systems (like InSite) to gather data for presentation directly to a customer user
- Personalization of the Dashboard data presentation based on user profile or role
- The business method of establishing a site administrator who can select elements of the Dashboard databases that are viewable by each of the users.
- The business method of providing Dashboard data to customers using the techniques outlined above

 (1 <sup>st</sup> inventor)		
Rohit Singh Kothumari (2 <sup>nd</sup> inventor)		
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